

Requirements

Software Specifications

- Ubuntu Server 22.04 LTS:
 - Basic Linux proficiency.
 - o Ability to remotely connect via SSH.

Minimal Secure Cloud Specifications

- Latest NVIDIA GPUs, at least 30xx or RTX A4000 or higher.
 - o Option 1: At least 20 GPUs in total, each with a minimum of 12 GB VRAM.
 - o Option 2: At least 8 GPUs in total, each with a minimum of 80 GB of VRAM.
 - PCIE 3.0 x16/PCIE 4.0 x8 per GPU or faster. PCIe 4.0 x16 recommended.
 - Demand is highest for SXM 80GB, PCI 80GB, 4090 24GB and L40 or Ada A6000 48GB models. We also require 2 GPU per server at minimum for best rental rates. 8x configurations are the most popular.
- Minimum of 4 Physical CPU Cores Per GPU + 2 for system operations. Prioritize as fast as
 possible CPU core clock over more cores. For example, a 24 cores CPU clocking at 5.0 GHz
 is preferred to a 128 cores CPU clocking at 3.0 GHz for a 4 GPU configuration.
- Your RAM should at minimum equals your total vRAM of all GPUs + 12GB for system operations.
 - 1 TB+ of RAM recommended for 8x 80GB vRAM GPU configurations.
- We want an absolute minimum of 1TB+ of NVME space per GPU for each server, ideally
 2TB+ (excluding the OS drives). For larger GPU like 80GB, 4TB per GPU is recommended.
 - At least 3,000 MB/s read/write speed is required.
 - We recommend 2 smaller NVME disk in RAID 1 for the operating system (2x 500GB is fine).
 - For data drives, it can be any number of those, but make sure the total is at le
 2TB+ per GPU. If several data drives are provided, you need to create a LVM v
 Ask Al those.

- 10gbps Bidirectional Internet Speed as backbone, and minimum of 1gbps symetrical per server.
- Static Public IP.
 - A single IP can be shared between multiple servers.
 - Access and ability to port forwarding. At least 30 ports forwarded per GPU per server.
- Abide by Tier III+ Datacenter Standards.
 - Robust Uninterruptible Power Supply and backup generator.
 - Internet Service Provider redundancy.
 - 24/7 on-site security and technical staff.
- 400+ GPU Capacity.
- 40GB/s Interconnect between servers.
- Ability to deploy network storage cluster.
- Most **importantly**: the ability to **scale** GPU supply over time.

PCIe Risers

If your system uses PCIe risers, they **must** have redriver functionality.

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